Title (en)

A METHOD AND APPARATUS FOR DETECTING A PLURALITY OF SYMBOL BLOCKS USING A DECODER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERKENNUNG MEHRERER SYMBOLBLÖCKE MIT EINEM DECODER

Title (fr)

PROCÉDÉ ET APPAREIL DESTINÉS À DÉTECTER UNE PLURALITÉ DE BLOCS DE SYMBOLES À L'AIDE D'UN DÉCODEUR

Publication

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Application

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Abstract (en)

[origin: US2011129042A1] Teachings presented herein offer a technique for using a demodulator to improve a demodulation process. For example, a demodulation unit according to an embodiment of the present invention may be a multi-stage demodulator and may include: a demodulator configured to receive a baseband signal and configured to produce modem bit likelihood values based on the received baseband signal; a decoder configured to receive and process the modem bit likelihood values to produce improved modem bit likelihood values; a candidate value generator configured to produce, based on the improved modem bit likelihood values, candidate symbol values for a group of one or more symbols; and a detector configured to receive the baseband signal and the candidate symbol values and configured to produce one of (a) final modem bit estimates and (b) candidate symbol values for a group of symbols.

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